



**UNITED STATES DEPARTMENT OF COMMERCE**  
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SB

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/227,780 01/08/99 SOBOTŠ

J

EXAMINER
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QM12/0214

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HOUSTON TX 77277-0161

PARADISO I

ART UNIT	PAPER NUMBER
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3721

DATE MAILED:

02/14/01

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

**Office Action Summary**

Application No.

09/227,780

Applicant(s)

SOBOTS, JOHN

Examiner

John R. Paradiso

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 20 November 2000.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claims \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. § 119**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

**Attachment(s)**

- 15) ☒ Notice of References Cited (PTO-892)
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 18) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Response to Amendment*

1. Substitute Declaration has been received and approved and entered as paper number 5.
2. Applicant's arguments with respect to the rejection in the previous Office Action of claims 1, 2, 5, 6, and 8-19 under 35 USC 102(b) over HAN and claims 3, 4, and 7 under 35 USC 103(a) over HAN in view of OGATA ET AL have been considered but are moot in view of the new ground(s) of rejection which follow.

### *Claim Rejections - 35 USC § 103*

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
4. Claims 1-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over BODENMANN ET AL (US 5881366) in view of DE BOT (US 5917810).

BODENMANN ET AL discloses a method of control and system for controlling a computer (20) such as for a video game with an associated receiver (25) for receiving the wireless transmissions of a set of peripherals such as game controllers (10). The peripherals each have a housing, sensors for detecting the movements and controls of a player, and a transmitter that sends information to the game receiver, the information including the input from the sensors

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and the address of the sender unit. The computer sends information back to the peripherals as well. (See BODENMANN ET AL columns 1, 2, and 4-6 and figures 1 and 7-10.)

BODENMANN ET AL implies but does not specifically disclose using a form of time domain multiplexing to convey several different items of information using separate time intervals.

DE BOT discloses a system and method for remote wireless interaction between a central controller (CSC) and remote users (US1-5) in which the communication in both directions is carried over a common frequency using time domain multiplexing to keep the transmissions to different users separate and distinct. (See DE BOT columns 2-4 and figure 1.)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to use a time domain multiplexing scheme, as taught by DE BOT, in the invention of BODENMANN ET AL in order to reduce the bandwidth requirements of the invention.

#### *Reference Citations*

5. The following prior art made of record and not relied upon is considered pertinent to Applicant's disclosure:

- HOARTY ET AL (US 5361091) discloses an interactive system for communicating between a central controller and multiple sites using a single frequency and time domain multiplexed signals.

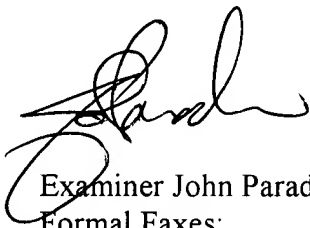
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*Conclusion*

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Paradiso. The examiner can normally be reached Monday-Friday, 8:30 a.m. – 5:00 p.m. (ET).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo, can be reached at the number listed below.

Any inquiry of a general nature or relating to the status of this application should be directed to the 3700 Technology Center receptionist.



Examiner John Paradiso	(703) 308-2825
Formal Faxes:	(703) 305-3579/80
Supervisor Peter Vo	(703) 308-1789
Receptionist	(703) 308-1148

February 12, 2001